**Readme**

Welcome to look at my cnn-based models! I will reply your question at any time!

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**The project structure**

|--- train.py

|--- MNIST\_data

|--- output

| |--- lenet\_weights.hdf5

| |--- alexnet\_weights.hdf5

| |--- hannet\_weights.hdf5

|--- imagesearch

| |--- cnn

| | |--- networks

| | | |--- lenet.py

| | | |--- alexnetpy

| | | |--- hannet.py

**0**, the necessary packages are keras, numpy, argparse, cv2, matplotlib, collections.

**1**, Click “run” button in “train.py” will execute the default LeNet model.

**2**, “train.py” is the console to control all kinds of networks. You can change networks type on the top of the code, just change the variable name. (The default is LeNet model)

**3**, The uploaded version is not included save model file in “output” folder because the alexnet files are too big. There are two ways to download the whole program.

1. Dropbox: <https://www.dropbox.com/sh/ezkn4xeemzdvin6/AAD2jXmOiP23vHyZPtsDENt6a?dl=0>

Then copy the file to output folder

1. Github: <https://github.com/Master5u/219ass2>

**4**, **How to use save model?** I recommend you use commend:

(On Mac$:) **python train.py --load-model 1 --weights output/lenet\_weights.hdf5**

when you change different networks, remember to change different save model **“output/hannet\_weights.hdf5”** or **“output/alexnet\_weights.hdf5”**

**Statement**: Some parts of project structure are learned from <http://goo.gl/S6RQiS> It is not plagiarism!

I am very grateful for Adrian Rosebrock who is the authors of this tutorials. And I also thank for professor Xiaowei Huang who always answers my questions quickly.